



FAQ for ECAT-2000

1.	如何使Beckhoff Configurator or TwinCAT辨識ECAT-2000?	. 1
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1. 如何使 Beckhoff Configurator or TwinCAT 辨識 ECAT-2000?

EtherCAT Slave設備會由製造商提供1個XML或ESI (EtherCAT Slave Information) 描述,我司ECAT-2000 series ESI為「ICPDAS ECAT-2000.xml」,只要將此檔案匯入 Beckhoff Configurator or TwinCAT即可:

- 從網站下載 ESI file「ICPDAS ECAT-2000.xml」: http://ftp.icpdas.com/pub/cd/fieldbus_cd/ethercat/slave/ecat-2000/software/ 或從ECAT-2000包裝內的CD: CD: \fieldbus cd\ethercat\slave\ecat-2000\software
- 2. 將「*ICPDAS ECAT-2000.xmL*」複製到 Beckhoff EtherCAT Configurator 或 TwinCAT 的檔案路徑:

C:\EtherCAT Configurator\EtherCAT\ICPDAS ECAT-2000.xml C:\TwinCAT\Io\EtherCAT\ICPDAS ECAT-2000.xml

2. 如何在 Beckhoff Configurator or TwinCAT 掃描找到 ECAT-2000?

以下將以ECAT-2055與Beckhoff EtherCAT Configurator 為範例作為說明:

- 1. 開啟 EtherCAT Configurator。
- 2. 開新檔(new I/O Configuration)。
- 3. 在 *I/O Device* 圖示按下滑鼠右鍵,選擇 *Append Device...*,將開啟 Insert Device 視窗。



4. 選擇 *EtherCAT*,按下右側 OK.

Insert Device			
Туре:	Profibus DP CANopen DeviceNet / Ethernet I/P EtherCAT EtherCAT	Ok Cancel	
Name:	Device 1		

5. 此時 Device 1 (EtherCAT)已加入 Configurator 的左側視窗,在 Device 1(EtherCAT) 按下滑鼠右鍵,並選擇 Scan Boxes...:

🔫 Demo.esm - EtherCAT Conf					
<u>File E</u> dit <u>A</u> ctions <u>V</u> iew Option	ıs <u>H</u> elp				
D 🗳 🖬 🍜 💁 X 🖻	: D 🚅 🖬 🍜 💁 X 🖻 🖻 📾 🔥 👌 🗞 🔨 🚳 🖹 Q, 🞯 🔩 🥔 🖓				
SYSTEM - Configuration Real-Time Settings Additional Tasks Solution Solution Solution Solution Solution Solution Solution Real-Time Settings Solution Soluti	General Adapter EtherCAT Online CoE - Online Name: Device 1 (EtherCAT) Type: EtherCAT ** Append Box * Delete Device (P) Online Reset * Online Reload (Config Mode only) Online Delete (Config Mode only) Online Delete (Config Mode only) Sabled * Export Device * Import Box * Scan Boxes * Cut Cttl+X © Copy Cttl+C Paste Ctrl+V © Paste Ctrl+V * Disabled Image Id	Id: 1			
Ready	Change NetId	Local Config Mode			

6. 選擇您目前接上 ECAT-2000 網卡名稱:

l new I/O devices found	
☑ Device 1 (EtherCAT) [匾域連線 (AMD PCNET Family PCI Ethernet Adapter - Packe	OK Cancel
	Select All Unselect All

7. 如果出現如下提示,請按下 Yes/OK 並繼續。



8. 按下 Yes 啟動 EtherCAT 設備掃描:



9. 按下 Yes, 啟動 EtherCAT Configurator 的 free run mode。



10. 在 EtherCAT Configurator 已正確掃描出 ECAT-2000 (Box 1):

➡ Demo.esm - EtherCAT Configurator	
<u>File Edit Actions Y</u> iew Options <u>H</u> elp	
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SYSTEM - Configuration Real-Time Settings Additional Tasks I/O - Configuration I/O Devices Device 1 (EtherCAT) Pevice 1 (EtherCAT) Device 1-Image Dutputs Doutputs Mappings	General EtherCAT DC Process Data Startup CoE - Online Online Name: Box 1 (ECAT-2055 8DL/8DO) Id: 1 Type: ECAT-2055 8 Ch. Dig. In. Dry/Wet 50V, 8 Ch. Dig. Out. Sink 30V 0.7A Comment: Image: Create symbols Image: Disabled Create symbols
Ready	Local Free Run